



## SECRETARY OF STATE



I, *Kevin Shelley*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 1 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

**IN WITNESS WHEREOF**, I execute this certificate and affix the Great Seal of the State of California this day of

JUL - 7 2003

*Kevin Shelley*  
Secretary of State



A0598551

CERTIFICATE OF AMENDMENT

OF ISURFTV

**ENDORSED - FILED**  
In the office of the Secretary of State  
of the State of California

JUL - 7 2003

**KEVIN SHELLEY**  
Secretary of State

Gene Feroglia and Katherine Y. Marshall certify that:

1. They are the duly elected and acting President and Secretary, respectively, of iSurfTV, a California corporation (the "Corporation").
2. Article I of the Corporation's Fourth Amended and Restated Articles of Incorporation, which were filed with the California Secretary of State on July 12, 2002, which presently reads as follows:  
"The name of the Corporation is iSurfTV"

is amended to read as follows:

"The name of the corporation is Etalon Systems, Inc."

3. The foregoing amendment of the Fourth Amended and Restated Articles of Incorporation has been duly approved by the Board of Directors of the Corporation.

4. The foregoing amendment of the Fourth Amended and Restated Articles of Incorporation has been duly approved by the required vote of the shareholders of the Corporation in accordance with Sections 603 and 903 of the California General Corporation Law. The total number of outstanding shares of this corporation entitled to vote with respect to the foregoing Certificate of Amendment to Fourth Amended and Restated Articles of Incorporation was 9,083,535 shares of Common Stock, 937,500 shares of Series A Preferred Stock, 3,246, 373 shares of Series B Preferred Stock, 411,523 shares of Series B-1 Preferred Stock and 1,028,513 shares of Series C Preferred Stock. The number of shares voting in favor of the amendment equaled or exceeded the vote required, such required vote being at least a majority of the total number of outstanding shares of Common Stock, at least a majority of the total number of outstanding shares of Preferred Stock and at least a majority of the total number of outstanding shares of Series C Preferred Stock.

The undersigned declares under penalty of perjury under the laws of the State of California that he has read the foregoing Certificate of Amendment and that the matters set forth in this Certificate are true and correct to his own knowledge.

Executed at Sunnyvale, California on July 3, 2003.

  
Gene Feroglia, President

  
Katherine Y. Marshall, Secretary



## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

**PATENTS ONLY**

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Etalon Systems, Inc.

2. Name and address of receiving party(ies):

Name: Eagle New Media Investments, LLC

Internal Address: c/o Tribune Media Services, Inc.

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Street Address: 435 North Michigan Avenue

City: Chicago State: IL ZIP: 60611

Execution Date: July 14, 2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/854,334; 09/854,339; 09/783,886;  
09/783,932; 09/844,642; 09/858,762;  
09/875,546; 09/875,460; 09/875,707;  
09/875,461; 09/875,547; 09/947,286;  
09/733,824; 09/909,630; 10/029,784;

B. Patent No.(s)

6,342,884; 6,456,287; 6,356,280; 6,452,594;  
6,570,586; 6,229,541; 6,421,067; 6,205,485;  
and 6,525,728

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert J. Depke

Internal Address: Holland & Knight LLC

Street Address: 131 South Dearborn, 30th Floor

City: Chicago State: IL ZIP: 60603

6. Total number of applications and patents involved: **76**

7. Total fee (37 CFR 3.41):.....\$ 3,040.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-1597

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Phillip W. Woo, Reg. No. 39,880

Name of Person Signing

Signature

July 18, 2003

Date

Total number of pages including cover sheet, attachments, and document: **22**

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

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City: **Chicago** State: **IL** ZIP: **60611**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

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A. Patent Application No.(s)

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09/783,932; 09/844,642; 09/858,762;  
09/875,546; 09/875,460; 09/875,707;  
09/875,461; 09/875,547; 09/947,286;  
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B. Patent No.(s)

**6,342,884; 6,456,287; 6,356,280; 6,452,594;  
6,570,586; 6,229,541; 6,421,067; 6,205,485;  
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City: **Chicago** State: **IL** ZIP: **60603**

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(Attach duplicate copy of this page if paying by deposit account)

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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Phillip W. Woo, Reg. No. 39,880**

Name of Person Signing

Signature

**July 18, 2003**

Date

Total number of pages including cover sheet, attachments, and document: **7**

DOCKET NO.: 90795/12650

EXPRESS MAIL NO.: EV 305 257 721 US

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE

1-31-92

RECORDATION FORM COVER SHEET - Page Two

Patent and Trademark Office

PATENTS ONLY

To the Honorable Director of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Additional name(s) of conveying party(ies):

2. Additional Names and address of receiving party(ies):

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Street Address: \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Street Address: \_\_\_\_\_

\_\_\_\_\_

4. Additional Application number(s) or patent number(s):

A. Patent Application No.(s)

10/029,508; 09/997,713; 09/997,336; 10/008,229;  
10/011,856; 10/072,114; 10/059,943; 10/059,547;  
10/087,778; 10/085,886; 10/090,206; 10/157,574;  
10/071,091; 10/087,975; 10/159,543; 10/166,810;  
10/171,024; 10/171,230; 10/177,462; 10/177,502;  
10/179,708; 10/179,713; 10/171,352; 09/718,595;  
10/039,589; 10/144,055; 10/156,167; 09/449,016;  
09/784,961; 09/784,840; 09/691,794; 09/691,792;  
09/691,796; 09/704,387; 09/708,220; 09/691,790;  
09/752,612; 09/844,998; 09/653,518; 09/782,896;  
09/665,367; 09/782,916; 09/664,843; 09/661,164;  
09/664,844; 09/773,806; 09/773,771; 09/733,310;  
09/996,456; 10/157,437; 10/351,228; and 10/351,027

B. Patent No.(s)

## ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

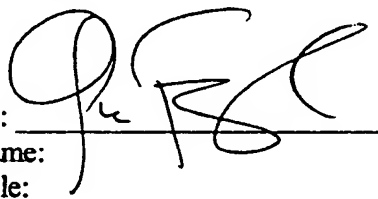
- A. **WHEREAS**, Etalon Systems, Inc., a California corporation formerly known as iSurfTV ("Assignor"), and Eagle New Media Investments, LLC, a Delaware limited liability company ("Assignee"), are parties to that certain Asset Purchase Agreement dated as of July 2, 2003 (the "**Purchase Agreement**"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;
- B. **WHEREAS**, Assignor, warrants, affirms, and declares, without limitation, that Assignor is the sole owner of all rights in or under the intellectual property rights identified on Schedule A attached hereto.
- C. **WHEREAS**, Assignee desires to acquire all intellectual property rights identified on Schedule A attached hereto.
- D. **NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby irrevocably sells, transfers, conveys and assigns to Assignee, its successors and assigns all intellectual property rights identified on Schedule A attached hereto and all goodwill associated therewith.
- E. Assignor and Assignee agree and confirm that the worldwide intellectual property rights that are hereby sold, transferred, conveyed and assigned to Assignee herein specifically include, without limitation, the following:
1. the patents, patent registrations, patent applications (including, without limitation, provisional applications, and regardless of whether such applications are current or abandoned) and abandoned patents identified on Schedule A (the "**Patents**"), including all patent licenses, divisional applications, continuing applications, continuation-in-part applications, reissue filings and reissue patents, reexamination filings and reexamined patents, and the inventions disclosed and claimed in these Patents;
  2. all trademarks, service marks, trade names and company names, whether registered or unregistered, identified on Schedule A (the "**Marks**"), including, trademark and service mark registrations and renewals thereof, use-based applications for registration, and intent-to-use applications for registration, and all goodwill associated with the foregoing;
  3. all copyrights identified on Schedule A (the "**Copyrights**"), including any and all renewals, reversions and extensions thereof; and
  4. all claims, demands and causes of action which relate to any infringement of the Patents, Marks, or Copyrights, including rights to all past damages, profits

and other monetary and other remedies available, arising or accruing by reason of any infringement that has occurred prior to the effective date of this Assignment of Intellectual Property Rights, and to sue for and collect same by the Assignee for the use and benefit of the Assignee and its successors and assigns.

- F. Assignor further hereby appoints Assignee as its attorney-in-fact with respect to the Patents, Marks and Copyrights, to act in Assignor's name, place and stead to execute, deliver and record any instrument of assignment or other document in any country in which the Patents, Marks and/or Copyrights are or were pending or issued, granting, confirming, perfecting the transfer of or otherwise relating to the rights assigned herein.
- G. Assignor agrees that it shall execute all documents reasonably necessary to perfect Assignee's title to the Patents, Marks and Copyrights.
- H. Nothing contained herein in any way limits the scope of the Purchased Assets being transferred by Assignor to Assignee pursuant to the Purchase Agreement.
- I. The Assignor and Assignee acknowledge that this Assignment of Intellectual Property Rights may be executed in counterparts, each of which will be deemed an original, but both of which together will constitute one and the same instrument.

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this 14<sup>th</sup> day of July, 2003.

ETALON SYSTEMS, INC.,  
formerly known as ISURFTV,  
Assignor

By:   
Name:  
Title:

EAGLE NEW MEDIA  
INVESTMENTS, LLC, Assignee

By Tribune Company, its sole  
manager

By: \_\_\_\_\_  
Name:  
Title:



IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this \_\_\_\_ day of July, 2003.

ETALON SYSTEMS, INC.,  
formerly known as ISURFTV,  
Assignor

By: \_\_\_\_\_  
Name:  
Title:


EAGLE NEW MEDIA  
INVESTMENTS, LLC, Assignee

By Tribune Company, its sole  
manager

By: David J. Granat  
Name: David J. Granat  
Title: Vice President

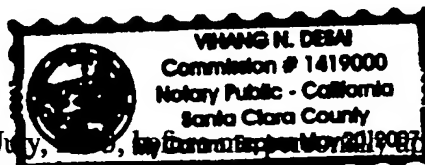
STATE OF CALIFORNIA)  
 ) SS.:  
COUNTY OF SANTA CLARA)

On this 11<sup>th</sup> day of July, 2003, before me personally appeared  
Gen R. Ferrogia, to me known and known to be President & CEO ~~the~~  
Etalon Systems, Inc., formerly known as iSurfTV, the corporation which  
executed the foregoing instrument, and he acknowledged to me that he executed the same.

  
Vihangy Desai

Notary Public  
My Commission expires MAY 20<sup>th</sup>, 2007

STATE OF ILLINOIS)  
 ) SS.:  
COUNTY OF COOK)



On this \_\_\_\_ day of July, 2003, before me personally appeared  
\_\_\_\_\_, to me known and known to be \_\_\_\_\_, the  
\_\_\_\_\_ of Tribune Company, the sole manager of Eagle New Media Investments  
LLC, the corporation which executed the foregoing instrument, and he acknowledged to me that  
he executed the same.

\_\_\_\_\_

Notary Public  
My Commission expires \_\_\_\_\_

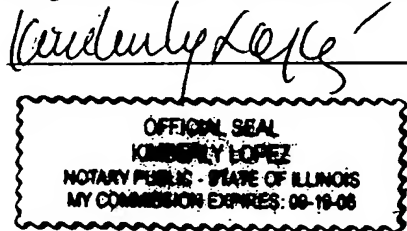
STATE OF CALIFORNIA)  
 ) SS.:  
COUNTY OF \_\_\_\_\_)

On this \_\_\_\_ day of July, 2003, before me personally appeared \_\_\_\_\_, to me known and known to be \_\_\_\_\_, the \_\_\_\_\_ of Etalon Systems, Inc., formerly known as iSurfTV, the corporation which executed the foregoing instrument, and he acknowledged to me that he executed the same.

\_\_\_\_\_  
Notary Public  
My Commission expires \_\_\_\_\_

STATE OF ILLINOIS)  
 ) SS.:  
COUNTY OF COOK)

On this \_\_\_\_ day of July, 2003, before me personally appeared David J. Granat, to me known and known to be a Vice President of Tribune Company, the sole manager of Eagle New Media Investments LLC, the corporation which executed the foregoing instrument, and he acknowledged to me that he executed the same.



Notary Public  
My Commission expires 9-19-06

## **SCHEDULE A**

### **Marks**

Title: iSurfTV  
Reg. No.:  
Date registered:

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Title: SurfGuide  
Reg. No.:  
Date registered:

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Title: SurfSuite  
Reg. No.:  
Date registered:

---

Title: SurfLine  
Reg. No.:  
Date registered:

---

Title: SurfLink  
Reg. No.:  
Date registered:

---

Title: SurfServer  
Reg. No.:  
Date registered:

---

### **Copyrights**

Title: SurfServer source code and all related documentation.  
Reg. No.:  
Date registered:

Title: SurfLine source code and all related documentation.  
Reg. No.:  
Date registered:

Title: SurfGuide source code and all related documentation.  
Reg. No.:  
Date registered:

### **Patents**

See attached spreadsheet.

**SCHEDULE A**  
**Issued Patents**

| <b>iSurfTV<br/>Docket<br/>Number</b> | <b>Patent Number</b> | <b>Title</b>   | <b>Inventor(s)</b>             | <b>Issue Date</b> |
|--------------------------------------|----------------------|--|--------------------------------|-------------------|
| 1                                    | 6,342,884            | Method and apparatus for using a general three-dimensional (3D) graphics pipeline for cost effective digital image and video editing, transformation, and representation | Kamen, Yakov;<br>Shirman, Leon | 29-Jan-2002       |
| 2                                    | 6,456,287            | Method and apparatus for 3D model creation based on 2D images  | Kamen, Yakov;<br>Shirman, Leon | 24-Sep-2002       |
| 3                                    | 6,356,280            | Mechanism and apparatus for realistic 3D model creation using interactive scissors   | Kamen, Yakov;<br>Shirman, Leon | 12-Mar-2002       |
| 5                                    | 6,452,594            | Method and apparatus for using a 3D graphics pipeline and 3D imaging for cost effective watermarking   | Kamen, Yakov;<br>Shirman, Leon | 17-Sep-2002       |
| 9                                    | 6,570,586            | Bandwidth effective method for communicating interactive links   | Kamen, Yakov;<br>Shirman, Leon | 27-May-2003       |
| 10                                   | 6,229,541            | Use of templates for cost-effective secure linking of video stream objects   | Kamen, Yakov;<br>Shirman, Leon | 8-May-2001        |
| 12                                   | 6,421,067            | Electronic programming guide   | Kamen, Yakov;<br>Shirman, Leon | 16-Jul-2002       |
| 54                                   | 6,205,485            | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan                   | 20-Mar-2001       |
| 76                                   | 6,525,728            | Method and apparatus for using a general three-dimensional (3D) graphics pipeline for cost effective digital image and video editing, transformation, and representation | Kamen, Yakov;<br>Shirman, Leon | 25-Feb-2003       |

**SCHEDULE A**  
Published Patent Applications

| iSurfTV<br>Docket<br>Number | USPTO<br>Application<br>Number | Title   | Inventor(s)   | Date<br>Application<br>Number<br>Assigned | Serial<br>Number | Filing Date |
|-----------------------------|--------------------------------|---|---|---|------------------|-------------|
| 20                          | 20020059605                    | Universal programming system and method for EPG with localized interactive content  | Kikinis, Dan;<br>Kamen, Yakov   | 16-May-2002                               | 09-854334        | 11-May-2001 |
| 21                          | 20020059606                    | Universal programming system and method for EPG with added offline archive  | Kikinis, Dan;<br>Kamen, Yakov   | 16-May-2002                               | 09-854339        | 11-May-2001 |
| 23                          | 20020054066                    | Method and system for inputting time in a video environment   | Kikinis, Dan;<br>Kamen, Yakov   | 9-May-2002                                | 09-783886        | 14-Feb-2001 |
| 25                          | 20010035884                    | Method and system for inputting time in a video environment using sliders   | Kikinis, Dan;<br>Kamen, Yakov   | 1-Nov-2001                                | 09-783932        | 14-Feb-2001 |
| 26                          | 20020005910                    | Novel cursor control system   | Kikinis, Dan  | 17-Jan-2002                               | 09-844642        | 27-Apr-2001 |
| 34                          | 20020007488                    | Transparent object management for removable media recorders   | Kikinis, Dan;<br>Kamen, Yakov   | 17-Jan-2002                               | 09-858762        | 15-May-2001 |
| 35                          | 20020019980                    | Remote control of program scheduling  | Kikinis, Dan  | 14-Feb-2002                               | 09-875546        | 5-Jun-2001  |
| 36                          | 20020010925                    | Remote control of program scheduling  | Kikinis, Dan  | 24-Jan-2002                               | 09-875460        | 5-Jun-2001  |
| 37                          | 20020059597                    | Method and apparatus for notifying users of interactive functions   | Kikinis, Dan;<br>Kamen, Yakov   | 24-Jan-2002                               | 09-875707        | 5-Jun-2001  |
| 38                          | 20020019732                    | Interactivity using voice commands  | Kikinis, Dan;<br>Kamen, Yakov;<br>Feroglia, Gene                            | 14-Feb-2002                               | 09-875461        | 5-Jun-2001  |
| 39                          | 20020019986                    | Enhanced home entertainment system with removable long-term storage   | Kikinis, Dan  | 14-Feb-2002                               | 09-875547        | 5-Jun-2001  |
| 40                          | 20020049982                    | Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking | Kikinis, Dan  | 25-Apr-2002                               | 09-947286        | 5-Sep-2001  |
| 45                          | 20020073428                    | Downloading and transfer of audio or video data from video broadcasts   | Gurevich, Leonid;<br>Kazantsev, Sergei;<br>Olkha, Lev;<br>Zaslavsky, Eduard | 13-Jun-2002                               | 09-733824        | 8-Dec-2000  |
| 46                          | 20020047849                    | Method and system for modification of EPG object attributes   | Kamen, Yakov  | 25-Apr-2002                               | 09-909630        | 19-Jul-2001 |
| 47                          | 20020085090                    | Method and apparatus for generation of a preferred broadcasted programs list  | Kamen, Yakov  | 4-Jul-2002                                | 10-029784        | 19-Oct-2001 |

**SCHEDULE A**  
Published Patent Applications

| <b>iSurfTV<br/>Docket<br/>Number</b> | <b>USPTO<br/>Application<br/>Number</b> | <b>Title</b>  | <b>Inventor(s)</b>                             | <b>Date<br/>Application<br/>Number<br/>Assigned</b> | <b>Serial<br/>Number</b> | <b>Filing Date</b> |
|--------------------------------------|---|---|--|---|--------------------------|--------------------|
| 48                                   | 20020083452                             | Method and system for inserting a new channel into a list of preferred channels                         | Kikinis, Dan                                   | 27-Jun-2002   | 10-029508                | 19-Oct-2001        |
| 49                                   | 20020087595                             | Method and apparatus for virtual editing of multimedia presentations                                    | Friedman, Glen;<br>Kikinis, Dan                | 4-Jul-2002  | 09-997713                | 29-Nov-2001        |
| 50                                   | 20020087985                             | Methods and apparatuses for displaying meaningful abbreviated program titles                            | Kamen, Yakov;<br>Shkolnik, Boris               | 4-Jul-2002  | 09-997336                | 29-Nov-2001        |
| 52                                   | 20020083450                             | Method and system for content-based broadcasted program selection                                       | Kamen, Yakov;<br>Kikinis, Dan                  | 27-Jun-2002   | 10-008229                | 30-Nov-2001        |
| 53                                   | 20020093594                             | Method and system for identifying addressing data within a television presentation                      | Kikinis, Dan                                   | 18-Jul-2002   | 10-011856                | 4-Dec-2001         |
| 55                                   | 20020166122                             | Image-oriented electronic programming guide   | Kikinis, Dan;<br>Howe, Rick;<br>Kamen, Yakov   | 7-Nov-2002  | 10-072114                | 5-Feb-2002         |
| 56                                   | 20020113798                             | Modifying object geometry to accommodate information attributes   | Kamen, Yakov                                   | 22-Aug-2002   | 10-059943                | 28-Jan-2002        |
| 57                                   | 20020129369                             | Mechanism and apparatus for construction of modular-based interactive programming guides and TV portals | Kamen, Yakov                                   | 12-Sep-2002   | 10-059547                | 28-Jan-2002        |
| 58                                   | 20020124264                             | Freezing live video frames with interactive links   | Kikinis, Dan                                   | 5-Sep-2002  | 10-087778                | 1-Mar-2002         |
| 59                                   | 20020124254                             | Method and system for advertising based on the content of selected channels or broadcasted programs     | Kikinis, Dan                                   | 5-Sep-2002  | 10-085886                | 27-Feb-2002        |
| 60                                   | 20020188946                             | Method and system for interactive programming guide background selection                                | Kohne, Brian                                   | 12-Dec-2002   | 10-090206                | 1-Mar-2002         |
| 61                                   | 20030014752                             | Method and apparatus for generating a mosaic style electronic programming guide                         | Zaslavsky, Eduard;<br>Olkha, Lev               | 16-Jan-2003   | 10-157574                | 28-May-2002        |
| 63                                   | 20020129370                             | Method and system for implementing an electronic program guide  | Kikinis, Dan                                   | 12-Sep-2002   | 10-071091                | 7-Feb-2002         |
| 64                                   | 20020122079                             | Multimedia interactive device function selection based upon button depression duration                  | Kamen, Yakov;<br>Kikinis, Dan                  | 5-Sep-2002  | 10-087975                | 1-Mar-2002         |
| 65                                   | 20030023976                             | Novel method for making selections in search criteria in TV EPGs  | Kamen, Yakov;<br>Kikinis, Dan;<br>Kohne, Brian | 30-Jan-2003   | 10-159543                | 31-May-2002        |

**SCHEDULE A**  
Published Patent Applications

| <b>iSurfTV<br/>Docket<br/>Number</b> | <b>USPTO<br/>Application<br/>Number</b> | <b>Title</b>   | <b>Inventor(s)</b>  | <b>Date<br/>Application<br/>Number<br/>Assigned</b> | <b>Serial<br/>Number</b> | <b>Filing Date</b> |
|--------------------------------------|---|--|---|---|--------------------------|--------------------|
| 66                                   | 20030046698                             | Methods and apparatuses for conducting a TV EPG search in various search time periods  | Kamen, Yakov;<br>Kikinis, Dan;<br>Kimball, Brian                              | 6-Mar-2003  | 10-166810                | 10-Jun-2002        |
| 67                                   | 20030011636                             | Method for magnifying images on a display screen and an interactive television guide system implementing the method            | Feroglia, Gene;<br>Kohne, Brian;<br>Kikinis, Dan                              | 16-Jan-2003   | 10-171024                | 11-Jun-2002        |
| 68                                   | 20030009757                             | Method for displaying channel listings in an electronic program guide and an electronic program guide implementing the method  | Kikinis, Dan  | 9-Jan-2003  | 10-171230                | 11-Jun-2002        |
| 69                                   | 2003001470                              | Methods and system for controlling access to individual titles   | Kamen, Yakov  | 16-Jan-2003   | 10-177462                | 19-Jun-2002        |
| 70                                   | 20030007782                             | Method and system for replacing/obscuring titles and descriptions of recorded content  | Kamen, Yakov  | 9-Jan-2003  | 10-177502                | 19-Jun-2002        |
| 71                                   | 20030023980                             | Customer self service in interactive TV environment for TV programming packages  | Kikinis, Dan;<br>Kamen, Yakov;<br>Kimball, Brian                              | 30-Jan-2003   | 10-179708                | 24-Jun-2002        |
| 72                                   | 20030014546                             | Method and system for enabling visitors to subscribe to currently-viewed programming packages                                  | Kikinis, Dan;<br>Feroglia, Gene;<br>Kamen, Yakov;<br>Kimball, Brian           | 16-Jan-2003   | 10-179713                | 24-Jun-2002        |
| 74                                   | 20030028881                             | Method for providing program information in a hierarchical manner and interactive program guide system implementing the method | Kazantsev, Sergei;<br>Olkha, Lev;<br>Zaslavsky, Eduard;<br>Turivnenko, Sergey | 6-Feb-2003  | 10-171352                | 11-Jun-2002        |
| 75                                   | 20020073219                             | Simulcast web page delivery  | Kikinis, Dan  | 13-Jun-2002   | 09-718595                | 21-Nov-2000        |
| 77                                   | 20020093513                             | Mechanism and apparatus for realistic 3D model creation using interactive scissors   | Kamen, Yakov;<br>Shirman, Leon  | 18-Jul-2002   | 10-039589                | 4-Jan-2002         |
| 81                                   | 20020167515                             | Method and apparatus for 3D model creation based on 2D images  | Kamen, Yakov;<br>Shirman, Leon  | 14-Nov-2002   | 10-144055                | 10-May-2002        |
| 82                                   | 20020171686                             | Electronic programming guide   | Kamen, Yakov;<br>Shirman, Leon  | 21-Nov-2002   | 10-156167                | 28-May-2002        |



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|----------------------------|---|---|----------------------------|-----------------------|------------------------|--------------------------------|--------------------|-------------|
| 11                         | Method for using banner advertisements during commercial breaks   | Kamen, Yakov;<br>Shirman, Leon  | N/A                        | N/A                   | 24-Nov-1999            | 09-449016                      | 13-Nov-2000        | WO 01-39493 |
| 13                         | Method and apparatus for controlling the movement or changing the appearance of a three-dimensional element | Kamen, Yakov;<br>Shirman, Leon  | 16-Feb-2000                | 60-182838             | 15-Feb-2001            | 09-784961                      | 16-Feb-2001        | WO 01-61996 |
| 14                         | Mechanism and apparatus for a 3D enabled web navigator  | Kamen, Yakov;<br>Shirman, Leon  | 16-Feb-2000                | 60-182870             | 15-Feb-2001            | 09-784840                      | 16-Feb-2001        | WO 01-60142 |
| 15                         | Method and system for optimal usage of memory for storing scheduling and guide data in 3D enabled EPG       | Kamen, Yakov;<br>Shirman, Leon  | 16-Mar-2000                | 60-190327             | 18-Oct-2000            | 09-691794                      |                    |             |
| 16                         | Method and system for adaptive electronic programming guide   | Kamen, Yakov;<br>Shirman, Leon  | 16-Mar-2000                | 60-190349             | 18-Oct-2000            | 09-691792                      |                    |             |
| 17                         | Novel method for EPG use in conjunction with object databases   | Kikinis, Dan  | 27-Mar-2000                | 60-192163             | 18-Oct-2000            | 09-691796                      |                    |             |
| 18                         | Real world/virtual world correlation system using a 3D graphics pipeline                                    | Kikinis, Dan  | 5-Apr-2000                 | 60-194977             | 31-Oct-2000            | 09-704387                      | 3-Apr-2001         | WO 01-78014 |
| 19                         | Universal programming system for EPG  | Kamen, Yakov;<br>Shirman, Leon  | 20-Apr-2000                | 60-199013             | 7-Nov-2000             | 09-708220                      | 10-Apr-2001        | WO 01-82594 |
| 22                         | Novel method for EPG use in conjunction with objects  | Kikinis, Dan  | 6-Apr-2000                 | 60-195161             | 18-Oct-2000            | 09-691790                      |                    |             |
| 24                         | New method for finding the same or similar shows  | Kikinis, Dan  | 5-May-2000                 | 60-202303             | 29-Dec-2000            | 09-752612                      |                    |             |
| 27                         | Dual-screen set-top box   | Kikinis, Dan  | 27-Apr-2000                | 60-200514             | 27-Apr-2001            | 09-844998                      |                    |             |
| 28                         | Novel time/channel navigation method for EPGs   | Kikinis, Dan  | 20-Apr-2000                | 60-199009             | 31-Aug-2000            | 09-653518                      |                    |             |
| 29                         | 3D enhanced advertising for regular TV broadcast of 2D video  | Kikinis, Dan  | 11-May-2000                | 60-203496             | 13-Feb-2001            | 09-782896                      |                    |             |
| 30                         | Three-dimensional light electronic programming guide  | Kikinis, Dan  | 8-May-2000                 | 60-203128             | 19-Sep-2000            | 09-665387                      | 21-May-2001        | WO 02-25626 |
| 31                         | Localized advertising using localized 3D templates  | Kikinis, Dan  | 16-May-2000                | 60-204875             | 13-Feb-2001            | 09-782916                      |                    |             |
| 32                         | Perpendicular view three-dimensional electronic programming guide   | Kamen, Yakov;<br>Kikinis, Dan   | 2-Jun-2000                 | 60-208883             | 19-Sep-2000            | 09-664843                      |                    |             |
| 33                         | Insertion of recorded media into a broadcast  | Kamen, Yakov;<br>Kikinis, Dan   | 13-Jun-2000                | 60-211355             | 13-Sep-2000            | 09-661164                      | 9-Apr-2001         | WO 01-95694 |
| 41                         | Enhanced interactive messaging environment  | Oikha, Lev;<br>Gurevich, Leonid;<br>Kazantsev, Sergei;<br>Zaslavsky, Eduard | 11-Aug-2000                | 60-224824             | 19-Sep-2000            | 09-664844                      |                    |             |
| 42                         | T-commerce of non-video information associated with TV programs   | Oikha, Lev;<br>Gurevich, Leonid;<br>Kazantsev, Sergei;<br>Zaslavsky, Eduard | 30-Aug-2000                | 60-229249             | 8-Dec-2000             | 09-773806                      |                    |             |
| 43                         | Real-time notification of TV shows matching specified criteria  | Oikha, Lev;<br>Gurevich, Leonid;<br>Kazantsev, Sergei;<br>Zaslavsky, Eduard | 30-Aug-2000                | 60-229250             | 8-Dec-2000             | 09-773771                      |                    |             |

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|-----------------------------------|--|--|------------------------------------|-------------------------------|--------------------------------|--|----------------------------|--------------------|
| 44                                | Enhanced integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to support browsing or interactive linking | Oikha, Lev;<br>Gurevich, Leonid;<br>Kazantsev, Sergei;<br>Zaslavsky, Eduard;<br>Kikinis, Dan   | 6-Sep-2000                         | 60-230494                     | 8-Dec-2000                     | 09-733310                              |                            |                    |
| 51                                | Alphabetic search using single application of keys   | Kikinis, Dan   | 1-Dec-2000                         | 60-250980                     | 28-Nov-2001                    | 09-996456                              | 3-Dec-2001                 | WO 02-44-880       |
| 62                                | A method for implementing an electronic program guide  | Zaslavsky, Eduard;<br>Kikinis, Dan   | 29-May-2001                        | 60-294455                     | 28-May-2002                    | 10-157437                              |                            |                    |
| 73                                | Use of templates for cost-effective secure linking of video stream objects   | Kamen, Yakov;<br>Shirman, Leon   |                                    |                               | 26-Mar-2001                    |  |                            |                    |
| 78                                | Enhanced personal video recorder architecture  | Kikinis, Dan   | 25-Jan-2002                        | 60-352187                     | 25-Jan-2003                    | 10-351228                              |                            |                    |
| 79                                | Audio command and response for IPGs  | Kikinis, Dan   | 25-Jan-2002                        | 60-352142                     | 25-Jan-2003                    | 10-351027                              |                            |                    |
| 80                                | Multi-viewpoint portholes in a 3D rendering environment  | Kamen, Yakov;<br>Mizutani, Yoshihiro   | 28-Feb-2002                        | 60-360582                     |                                |  |                            |                    |
| 83                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 84                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 85                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 86                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 87                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 88                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 89                                | Simulcast WEB page delivery using a 3D user interface system   | Kikinis, Dan   |                                    |                               |                                |  |                            |                    |
| 90                                | Compact IPG  | Ezekwe, David  |                                    |                               |                                |  |                            |                    |
| 91                                | Method of video recording spam control for a high-capacity storage system  | Kamen, Yakov   |                                    |                               |                                |  |                            |                    |
| 92                                | Mechanism and apparatus for adaptive, fast, cost effective texture mapping in 3D rendering   | Gordon, Iouri;<br>Ezekwe, David;<br>Kazantsev, Sergei;<br>Kamen, Yakov;<br>Misutani, Yoshihiro |                                    |                               |                                |  |                            |                    |
| 93                                | Mechanism and apparatus for adaptive event description generation using multi-resolutional description database  | Kamen, Yakov   |                                    |                               |                                |  |                            |                    |
| 94                                | Method and apparatus for effective content recording in digital personal video recorders   | Kamen, Yakov   |                                    |                               |                                |  |                            |                    |

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|----------------------------|---|--------------|----------------------------|-----------------------|------------------------|--------------------------------|--------------------|------------|
| 95                         | Method and apparatus for effective information storage in high-capacity personal video recorders    | Kamen, Yakov |                            |                       |                        |                                |                    |            |
| 96                         | Using XML-based descriptors and procedural texture mapping pipeline to generate text-based textures | Kamen, Yakov |                            |                       |                        |                                |                    |            |

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Combined Patent Applications

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|-----------------------------|--|--------------------------------|----------------------------|-----------------------|------------------------|--------------------------------------|--------------------|-------------|-------------------------|
| 7                           | Method and apparatus for interactive marking of moving objects in video streams and animated image sequences                       | Kamen, Yakov;<br>Shirman, Leon | N/A                        | N/A                   | 3-Sep-1999             |                                      | 2-Sep-1999         | WO 01-18676 | PCT combined -Docket #9 |
| 8                           | Method and apparatus for recognition of optimal intermediate key frame for object tracking in video streams and animated sequences | Kamen, Yakov;<br>Shirman, Leon | N/A                        | N/A                   | 3-Sep-1999             |                                      | 2-Sep-1999         | WO 01-18676 | PCT combined -Docket #9 |

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| iSurfTV<br>Docket<br>Number | Title  | Inventor(s)                    | Provisional<br>Filing Date | Provisional<br>Number | Utility Filing<br>Date | USPTO<br>Utility<br>Serial<br>Number | PCT Filing<br>Date | PCT Number  |
|-----------------------------|--|--------------------------------|----------------------------|-----------------------|------------------------|--------------------------------------|--------------------|-------------|
| 4                           | Novel method and apparatus for controlling video programming | Kamen, Yakov;<br>Shirman, Leon | 3-Feb-1999                 | N/A                   | 20-Aug-1999            | N/A                                  | 2-Feb-2000         | WO 00-46680 |
| 4a                          | Remote control device  | Kamen, Yakov;<br>Shirman, Leon | 25-Jun-1999                | N/A                   | 20-Aug-1999            | N/A                                  | 2-Feb-2000         | WO 00-46680 |

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| <b>Attorney</b> | <b>iSurfTV Docket Number</b> | <b>Reference No.</b>   | <b>International Filing Date</b> | <b>PCT Application #</b>             | <b>Publication No.</b>   | <b>Status</b>        | <b>Additional Information</b>                              |
|-----------------|------------------------------|--|----------------------------------|--------------------------------------|--------------------------|----------------------|--|
|                 |                              |  |                                  |                                      |                          |                      |  |
| BSTZ            | 13                           | P001PCT  | 16-Feb-2001                      | PCT/IUS01/05056                      | WO 01/61986 A1           | Published 08/23/2001 | Written Opinion mailed 7/24/02                             |
| BSTZ            | 18                           | P006PCT  | 3-Apr-2001                       | PCT/IUS01/11165                      | WO 01/78014 A1           | Published 10/18/2001 | Prelim Exam mailed 4/19/02                                 |
| BSTZ            | 21                           | P017PCT  | 11-May-2001                      | PCT/IUS01/15405                      | WO 01/86949 A1           | Published 11/15/2001 | Prelim Exam mailed 2/25/2002                               |
| BSTZ            | 39                           | P027PCT  | 10-Aug-2001                      | PCT/IUS01/41664                      | WO 02/15594 A1           | Published 02/21/2002 | Prelim Exam mailed 02/13/2003                              |
| BSTZ            | 48                           | P037PCT  | 19-Oct-2001                      | PCT/IUS01/51571                      | WO 03/005147 A2          | Published 01/16/2003 | Response to Invitation to Correct Defects filed 12/09/2002 |
|                 |                              |  |                                  |                                      |                          |                      |  |
| BSTZ            | 51                           | P051PCT  | 3-Dec-2001                       | PCT/IUS01/46378                      | WO 02/044880 A1          | Published 06/06/2002 | Search Report mailed 3/25/02                               |
| BSTZ            |                              | P051CA   | 30-May-2003                      | not yet assigned                     |                          | awaiting exam        |  |
| BSTZ            | 53                           | P053PCT  | 4-Dec-2001                       | PCT/IUS01/46802                      | WO 02/47390 A1           | Published 06/13/2002 | Search Report mailed 5/13/02                               |
| BSTZ            | 56                           | P058PCT  | 1-Feb-2002                       | PCT/IUS02/02670                      | WO 02/065313 A1          | Published 08/22/2002 | Search Report mailed 6/21/02                               |
| BSTZ            | 71                           | P071PCT  | 25-Jun-2002                      | PCT/IUS02/20306                      | WO 03/001789 A2          | Published 01/03/2003 | Search Report mailed 12/18/02                              |
|                 |                              |  |                                  |                                      |                          |                      |  |
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|                 |                              |  |                                  |                                      |                          |                      |  |
|                 |                              |  |                                  |                                      |                          |                      |  |
| <b>Attorney</b> | <b>iSurfTV Docket Number</b> | <b>Reference No.</b>   | <b>International Filing Date</b> | <b>International Application No.</b> | <b>PCT Application #</b> | <b>PCT Notes</b>     |  |
| Leeds           | 1                            | IisurfTV1-CN   | 3-Feb-2000                       | 00803291.2                           | PCT/IUS00/02838          | national phase       |  |
| Leeds           | 1                            | IisurfTV1-EP   | 3-Feb-2000                       | 00905959.3                           | PCT/IUS00/02838          | regional phase       |  |
| Leeds           | 1                            | IisurfTV1-JP   | 3-Feb-2000                       | 2000-597760                          | PCT/IUS00/02838          | national phase       |  |
| Leeds           | 2                            | IisurfTV2-EP   | 2-Feb-2000                       | 00913354.7                           | PCT/IUS00/02786          | regional phase       |  |
| Leeds           | 7                            | IisurfTV7-CN   | 2-Sep-2000                       | 00812075.7                           | PCT/IUS00/24263          | national phase       |  |
| Leeds           |                              | IisurfTV7-EP   | 2-Sep-2000                       | 00959860.8                           | PCT/IUS00/24263          | regional phase       |  |
| Leeds           | 7                            | IisurfTV7-JP   |                                  | 2001-522419                          | PCT/IUS00/24263          | national phase       |  |
| Leeds           | 11                           | IisurfTV11-EP  | 13-Nov-2000                      | 00978601.3                           | PCT/IUS00/31195          | regional phase       |  |
| Leeds           | 12                           | IisurfTV12-EP  | 12-Jan-2001                      | 01902035.3                           | PCT/IUS01/01054          | regional phase       |  |
|                 |                              |  |                                  |                                      |                          |                      |  |
|                 |                              |  |                                  |                                      |                          |                      |  |
|                 |                              |  |                                  |                                      |                          |                      |  |
|                 |                              | CN = Chinese Patent Office<br>EP = European Patent Office<br>JP = Japanese Patent Office |                                  |                                      |                          |                      |  |